

Voluntary Product Accessibility Template

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Name of Product: Google Earth Free/Plus/Pro/EC (referred to as Google Earth throughout)

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Section 1194.21 Software Applications and Operating Systems - Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Keystrokes may be used for many critical functions of Google Earth. Keystrokes that enable access to these functions are available as detailed in Exhibit 1.	Not all functions are available as hot keys. There may be hot keys available on certain operating systems such as Windows that are not available on others such as Mac or Linux.
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	To our knowledge, Google Earth does not do this.	
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	The Tab key may be used to change focus among critical items in order from top left to bottom right and including the geographic content view window.	When the Web Window is in view and docked, the Tab key follows linkable items on the Web page (default Web page is www.google.com).
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an	When relevant, Google Earth makes use of Alt + keystroke commands for access to the product menus as described in Exhibit 2. Functions are labeled in text.	Certain menu accessible functions may also have shortcut buttons which do not display text.

image represents a program element, the information conveyed by the image must also be available in text.		
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Google Earth bitmap images are consistently used to define certain functions such as the Compass that enables zooming, tilting, panning with mouse on, which is also enabled with key strokes.	We are working to ensure that appropriate Alt + keystroke commands are assigned to all relevant bitmapped images in the user interface.
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Google Earth text information is displayed through operating system functions for displaying text.	Certain text items may be displayed as bitmapped images.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Google Earth does not override user selected contrast and color selections or other display attributes.	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Google Earth has no core features that utilize animation.	The geographic view window consists of purely graphical information that updates fluidly as if animated.
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Color coding is not used as the sole means of conveying information, indicating an action, prompting a response or distinguishing a visual element.	
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Google Earth provides by 16 Bit High Color and 32 Bit True Color.	
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Google Earth has no flashing or blinking text, objects or other elements	
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Google Earth forms allow for the use of Assistive Technology to access the information, field elements and functionality required for completion and submission of the form.	The Add tools for adding annotations in the geographic view may not allow navigation through forms via Tab commands only and may require mouse movements.

Exhibit 1: Product functions executable from the keyboard

Command	Windows Keystroke(s)	Mac Keystroke(s)	Result
Open File	Ctrl + O	Command/Open Apple Key + O	Produces the file open dialog box, allowing you to open all supported Google Earth file types.
Save Image	Ctrl + Alt + S	Command/Open Apple Key + Alt + S	Saves the current view as an image to your computer.
Print	Ctrl + P	Command/Open Apple Key + P	Produces the print dialog box, allowing you to print the current view.
Email View	Ctrl + Alt + E	Command/Open Apple Key + Alt + E	E-mails the current view either as a placemark or image file.
Copy	Ctrl + C	Command/Open Apple Key + C	Copies the current selection in the Places listing.
Cut	Ctrl + X	Command/Open Apple Key + X	Cuts a placemark or other item from the listing in the Places panel. Cuts an icon from the 3D viewer. Both icon or listing item must first be selected. You can use this feature to organize your places data.
Paste	Ctrl + V	Command/Open Apple Key + V	Pastes a placemark or other item into the selected folder in the Places panel. You can use this feature to organize your places data.
Find	Ctrl + F	Command/Open Apple Key + F	Opens a Find field in the Places panel. Use this to find places that exist in the Places panel. Note that this is different than search for places on the earth.
Delete	Del	Delete	Deletes an item selected in the Places panel.
Rename	Ctrl + Alt + R	Command/Open Apple Key + Alt + R	Enters edit mode for a selected item in the Places panel, so you can change the name without bringing up the Edit Placemark dialog box.
Zoom to selected placemark/item	Enter	Enter	Zooms into a selected folder, placemark, or other item in the Places panel.
Full screen mode	F11	(not supported)	Toggles between full screen and window view for the Google Earth application.
Show/Hide sidebar	Ctrl + Alt + B	(not supported)	Displays or closes sidebar
Lat/Lon grid	Ctrl + L	Command/Open Apple Key + L	Produces a latitude and longitude grid over the surface of the earth in the 3D viewer.
Play Tour	Ctrl + Alt + P	Command/Open Apple Key+ Alt + P	Plays the tour mode for all selected items in the Places panel.
New placemark	Ctrl + Shift + P	Command/Open Apple Key + Shift + P	Adds a new placemark to the current view.
New folder	Ctrl + Shift + N	Command/Open Apple Key + Shift + N	Produces the New Folder dialog box.
New image overlay	Ctrl + Shift + O	Command/Open Apple Key + Shift + O	Produces the New Image Overlay dialog box.
New model	Ctrl + Shift + M	Command/Open Apple Key + Shift + M	Produces the New Model dialog box
New path	Ctrl + Shift + T	Command/Open Apple Key + Shift + T	Produces the New Path dialog box.
New polygon	Ctrl + Shift + G	Command/Open Apple Key + Shift + G	Produces the New Polygon dialog box.

Change navigation mode to G-Force	Ctrl + G	Command/Open Apple Key + G	Switches navigation in the 3D viewer to G-Force mode. This can also be done by selecting the G-Force option from Tools - Options - Navigation.
Change navigation mode to Trackball	Ctrl + T	Command/Open Apple Key + T	Switches navigation in the 3D viewer to Trackball mode. This can also be done by selecting the Trackball option from Tools - Options - Navigation.

Exhibit 2: Product menus available via Alt + keystroke commands

Command	Windows Keystroke(s)	Mac Keystroke(s)	Result
File Menu	Alt + F (English)	(none)	Opens the File menu. You can use the down and up arrows to select items once the menu is open.
	Alt + F (French)		
	Alt + F (Italian)		
	Alt + D (German)		
	Alt + A (Spanish)		
Edit Menu	Alt + E (English)	(none)	Opens the Edit menu. You can use the down and up arrows to select items once the menu is open.
	Alt + M (French)		
	Alt + M (Italian)		
	Alt + B (German)		
	Alt + E (Spanish)		
View Menu	Alt + V (English)	(none)	Opens the View menu. You can use the down and up arrows to select items once the menu is open.
	Alt + C (French)		
	Alt + V (Italian)		
	Alt + A (German)		
	Alt + V (Spanish)		
Add Menu	Alt + A (English)	(none)	Opens the Add menu. Use the down and up arrows to select items once this menu is open.
	Alt + J (French)		
	Alt + A (Italian)		
	Alt + Z (German)		
	Alt + D (Spanish)		
Tool Menu	Alt + T (English)	(none)	Opens the Tool menu. Use the down and up arrows to select items once this menu is open.
	Alt + O (French)		
	Alt + F (Italian)		
	Alt + T (German)		
	Alt + H (Spanish)		
Help Menu	Alt + H (English)	(none)	Opens the Help menu. You can use the down and up arrows to select items once the menu is open.
	Alt + A (French)		
	Alt + G (Italian)		
	Alt + H (German)		
	Alt + Y (Spanish)		